

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: TENNE=3A

In re Application of:	)	Confirmation No.: 5785
	)	
Reshef TENNE et al	)	Art Unit: 1754
	)	
Appln. No.: 10/693,988	)	Examiner:
	)	
Filed: October 27, 2003	)	Washington, D.C.
	)	
For: BULK SYNTHESIS OF NANO-	)	February 18, 2004
TUBES OF TRANSITION METAL	)	
CHALCOGENIDES	)	

SUBMISSION OF CORRECTED FORM PTO/SB/08A

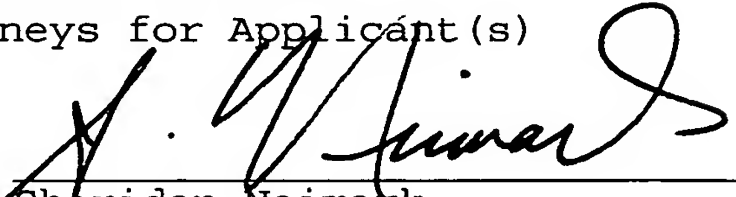
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Sir :

Supplementing the Information Disclosure Statement  
(IDS) filed with the above-identified divisional application  
filed on October 27, 2003, attached is a replacement Form  
PTO/SB/08A correcting minor typographical errors noted in the  
identification of Documents AS, AX and BE.

Respectfully submitted,  
BROWDY AND NEIMARK  
Attorneys for Applicant(s)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/693,988
Filing Date	October 27, 2003
First Named Inventor	Reshef TENNE et al
Parent Group Art Unit	1754
Confirmation No.	5785
Attorney Docket Number	TENNE=3A

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,055,630		McCoy et al	October 1977	
	AB	4,299,892		Dines et al	November 1981	
	AC	4,390,514		Chianelli et al	June 1983	
	AD	4,548,800		Badesha et al	October 1985	
	AE	4,676,969		Smith	June 1987	
	AF	5,958,358		Tenne et al	September 1999	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	AG	EP 0 580 019	B1	Yeda Research and Dev. Co.	01-26-1994		
	AH	WO 97/44278	A1	Yeda Research and Dev. Co.	11-27-1997		
	AI	WO 98/23796	A1	Yeda Research and Dev. Co.	06-04-1998		

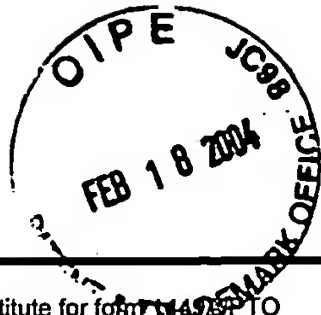
**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	AJ	Y. FELDMAN et al., "High-Rate, gas-Phase Growth of MoS <sub>2</sub> Nested Inorganic Fullerenes and Nanotubes", <u>Science</u> , January 13, 1995, pp. 222-225, vol. 267	
	AK	Y. FELDMAN et al., "Bulk Synthesis of Inorganic Fullerene-like MS <sub>2</sub> (M=Mo, W) from the Respective Trioxides and the Reaction Mechanism", <u>Journal of the American Chemical Society</u> , 1996, pp. 5362-5367, vol. 118, no. 23	
	AL	M. HERSHFINKEL et al., "Nested Polyhedra of MX <sub>2</sub> (M=W, Mo; X=S, Se) Probed by High-Resolution Electron Microscopy and Scanning Tunneling Microscopy", <u>Journal of the American Chemical Society</u> , 1994, pp. 1914-1917, vol. 116	
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	AO	M. REMSKAR et al., "Stabilization of the Rhombohedral Polytype in MoS <sub>2</sub> and WS <sub>2</sub> Microtubes: TEM and AFM Study", <u>Surface Science</u> , 1999, pp. 637-641, vol. 435	
	AP	M. REMSKAR et al., "Syntactic Coalescence of WS <sub>2</sub> Nanotubes", <u>Applied Physics Letters</u> , June 14, 1999, pp. 3633-3635, vol. 74, no. 24	
	AQ	R. TENNE et al., "Polyhedral and Cylindrical Structures of Tungsten Disulphide", <u>Nature</u> , December 1992, pp. 444-445, vol. 360	
	AR	C.M. ZELENSKI et al., "Template Synthesis of Near-Monodisperse <sup>1</sup> Microscale Nanofibers and Nanotubules of MoS <sub>2</sub> ", <u>J. Am. Chem. Soc.</u> , 1998, pp. 734-742, vol. 120	

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of

3

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First Named Inventor	R. TENNE et al
Group Art Unit	1754
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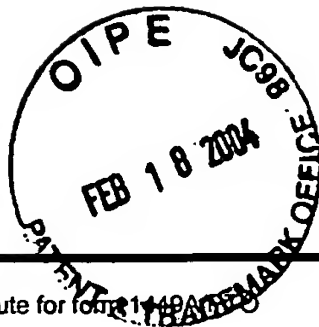
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	AS	AJAYAN, P.M. et al; "Carbon nanotubes as removable templates for metal oxide nanocomposites and nanostructures"; <i>Nature</i> , Vol. 375, pp. 564-567; 1995.	
	AT	CHOPRA, N.G. et al; "Boron Nitride Nanotubes"; <i>Science</i> ; Vol. 269; 1995; pp. 966-967.	
	AU	DAI, H. et al; "Nanotubes as nanoprobe in scanning probe microscopy"; <i>Nature</i> ; Vol. 384; 1996; pp. 147-150.	
	AV	FELDMAN, Y. et al; "Kinetics of Nested Inorganic Fullerene-like Nanoparticle Formation"; <i>J. Am. Chem. Soc.</i> ; Vol. 120; 1998, pp 4176-4183.	
	AW	FREY, G.L.; "Optical properties of MS2 (M = Mo, W) inorganic fullerene-like and nanotube material optical absorption and resonance Raman measurements"; <i>J. Mater Res.</i> Vol. 13, No. 9, 1998; pp. 2412-2417.	
	AX	GLEMSER, O. "Zur Frage der Wolframblauverbindungen"; <i>Z. Anorg. Allg. Chem.</i> 1964, 332, 299-313..	
	AT	HARDCASTLE, F.D.; "Determination of the Molecular Structures of Tungstates by Raman Spectroscopy"; <i>Journal of Raman Spectroscopy</i> ; Vol. 26, 1995; pp. 397-405	
	AY	HORSLEY, J.A.; "Structure of Surface Tungsten Oxide Species in the WO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> Supported Oxide System from X-ray Absorption Near-Edge Spectroscopy and Raman Spectroscopy"; <i>J. Phys. Chem.</i> Vol. 91, 1987; pp. 4014-4020.	
	AZ	IGUCHI, E.; "Strain Energy Between CS Planes"; <i>Journal of Solid State Chemistry</i> ; Vol. 23, 1978; pp. 231-239.	
	BA	IJIMA, S. "Helical microtubules of Graphitic carbon"; <i>Nature</i> ; Vol. 354; 1991; pp. 56-58.	
	BB	MARGULIS, L. "Nested fullerene-like structures"; <i>Nature</i> ; Vol. 365, 1993; pp. 113-114.	
	BC	MIYANO, T. et al; "High-Resolution Electron Microscopic Studies of CS Structure in Reduced WO <sub>3</sub> Thin Crystals"; <i>Japanese Journal of Applied Physics</i> ; Vol. 22, 1983; pp.863-868.	

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	BD	SLOAN, J. et al; "Defect and Ordered Tungsten Oxides Encapsulated Inside 2H-WX2 (X=S and Se) Fullerene- Related Structures"; <i>Journal of Solid State Chemistry</i> , Vol. 144, 1999; pp. 100-117.	
	BE	K.L. Westra et al; "Effect of tip shape on surface roughness measurements from atomic force microscopy images of thin films"; <i>J. Vac. Sci. Technol. B</i> 13(2), 1995; pp. 344-349.	

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